

NAME OF PROPERTY

THUNDER

LOCATION -Center of Lot 2611.

Uncertainty in metres 100.

Lat. 52°16'41" Long. 131°10'04"

Mining Division Skeena

District Queen Charlotte

County

Township or Parish

Lot 2611

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The rocks of the area are of the Vancouver Group, locally represented by the Karmutsen and Kunga Formations, both early Triassic in age. The Karmutsen Formation is a thick accumulation of submarine basic lavas, related clastic rocks, dykes, sills and minor limestone. These are conformably overlain by Kunga limestones and argillites. Intrusive rocks include diorite and post-mineralization, banded felsite or rhyolite and basalt dykes. The limestone strikes north 30° east and dips gently westward. There is one main shear zone on the property which strikes north-north-east and two northerly shears.

The Thunder mineralized bodies include two general types, tabular bodies conformable with stratification and dyke-like to pipe-like bodies nearly normal to stratification. All of the zones and bodies are composed of mixtures in varying degrees of magnetite and garnet-rich skarn. In certain localities, pyrite and chalcopyrite form significant concentrations.

Three general mineralized zones occur on the Thunder and extend slightly onto neighbouring claims. Near the southwest corner, at about 1,000 feet elevation, a zone 500 feet long and up to 100 feet wide contains skarn and magnetite which appear to replace Kunga limestone at the Karmutsen contact. At the adit zone, at about 800 feet elevation, a lens of skarn and magnetite 210 feet long and up to 20 feet wide, is exposed. The third zone, at about 1,000 feet

Associated minerals or products of value - Copper, sulphur.

p.t.o.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located on the southeast coast of Moresby Island, on the ridge between Ikeda Cove and Collison Bay, about one-half mile west of this Bay. The elevation is between 600 and 1,200 feet above sea level.

The showings were discovered in 1907 by Ike Thompson and C.T. Daykin. In 1914, the Sadie claim, Lot 2610, was Crown-granted to Thompson; the Thunder, Lot 2611, to Thompson and J.S. McMillan; the Spade Flush, Lot 2612, to Thompson and B. Metcalfe. These claims formed the Thunder Group covering 81.15 acres. The property was worked until the mid 1920's with surface stripping and the driving of a 300-foot adit on the Thunder claim in 1913-1914. During 1921 the group was optioned to Seattle interest.

In 1968 the Thunder claim was held by Mrs. Sadie Thompson and the McMillan estate, each having one-half interest. The other claims are part of a large block held by Falconbridge Nickel Mines Limited. (See Lily, 103 B/6, Cu 1).

Recent exploration has mainly involved examination and magnetometer surveying, first by Falconbridge Nickel Mines Limited and then by The Granby Mining Company Limited and Jedwa Iron Ore Limited.

HISTORY OF PRODUCTION

REFERENCES

- Brown, A.S.; Geology of the Queen Charlotte Islands; Bulletin No. 54; pp. 212-213; British Columbia Dept. of Mines, 1968.
- Reports of Minister of Mines, British Columbia: 1907, p. 66; 1908, p. 59; 1909, p. 70; 1911, p. 76; 1913, pp. 102-103; 1914, pp. 161, 513; 1918, pp. 42-43; 1920, p. 45; 1921, pp. 39, 272; 1923, p.44; 1925, p. 66; 1926, pp. 67-68; 1928, p. 65.
- Young, G.A., and Unglow, W.L.; The Iron Ores of Canada, Vol. 1: British Columbia and Yukon; Economic Geology Series No. 3, pp. 44-47, Geol. Surv. of Canada, 1926.
- Mineral Deposit Inventory, Property No. 292, British Columbia Dept. of Mines.
- Carmichael, H.; Queen Charlotte Islands, Annual Report, 1929, p. 62; British Columbia Dept. of Mines.

MAP REFERENCES

- Fig. 5, Geology of the Queen Charlotte Islands, (Geol. and Topo.), Sc. 1:125,000; Accomp. Bulletin 54.
- Fig. 34, (#51), Mineral Resources Map, (Geol.), Sc. 1": 8 miles; Accomp. Bulletin 54.
- Map 103 B-C (MI), (#41), Moresby Island, Sc. 1:250,000; B.C. Dept. of Mines and Petroleum Resources, 1969.
- *Map 103 B/6 E, Jedway, (Topo.), Sc. 1:50,000.

DESCRIPTION OF DEPOSIT (continued)

levation and about 500 feet northwest of the adit zone, lies near the northwest boundary of the claim. Within this zone there are two distinct bodies, one an equant-shaped body up to 100 feet long, and nearby a dyke-like body at least 200 feet long and 10 to 20 feet wide.

The estimated potential of these showings is 190,000 tons with 35 to 50% magnetic iron.

BCI 103 B - C - 41

JULY 1973